

CLAIMS

I claim:

1 1. A fiber optic transceiver package comprising:

2 a main transceiver cage, a lower portion of said cage comprising an intermediate
3 rear EMI gasket, said intermediate rear EMI gasket being an integral component of said
4 transceiver cage so that no attaching operation is required to affix said intermediate rear
5 EMI gasket to said transceiver cage, said intermediate rear EMI gasket being formed by
6 at least one protruding finger.

1 2. The fiber optic transceiver package as defined in claim 1 wherein:

2 said protruding finger has a thickness of at least 0.005 inches.

1 3. The fiber optic transceiver package as defined in claim 1 wherein:

2 said intermediate rear EMI gasket is formed from a plurality of protruding fingers.

1 4. The fiber optic transceiver package as defined in claim 3 wherein:

2 said protruding finger has a thickness of at least 0.005 inches.

1 5. The fiber optic transceiver package as defined in claim 1 wherein:

2 said transceiver cage comprises a connecting pin adapted to secure said
3 transceiver cage to a PCB, said connecting pin comprising
4 more than one leg, and

5 a terminal section; wherein

6 said legs are arced outward from a first end of said connector pin relative to a
7 central longitudinal axis of said connector pin toward a midpoint of said connector pin,
8 a diameter of said connector pin being at a maximum at said midpoint, said legs then
9 arcing inward toward a common terminal section so that said legs are bowed
10 symmetrically about said longitudinal axis, a tension generated by said bowing of said
11 legs causing said legs to act as a leaf spring when said connector pin is inserted into
12 one of the receiving holes of the receiving element, said legs being slightly compressed
13 as said midpoint enters the receiving hole to create a flexion force, said flexion force
14 ensuring a tight contact point between each of said legs and a surface of the receiving
15 hole in the receiving element, and

16 outer surfaces of said legs lie on arcs of a circle.

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21 6. The fiber optic transceiver package as defined in claim 5 wherein:

22 a magnitude of said flexion force is varied by varying an amount of at-rest arc
23 placed in said legs during manufacturing.

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28 7. The fiber optic transceiver package as defined in claim 5 wherein:

29 said connector pin is formed as an integral portion of said cage.